Data Aggregation: What is the purpose of SUMMARIZE in DAX, and how can you use it to aggregate data in the attached data in power bi

The **SUMMARIZE** function in DAX (Data Analysis Expressions) is used to group rows from a table based on the values of one or more columns, and to compute aggregate values for other columns. It is commonly used for data aggregation and summarization in Power BI.

To use **SUMMARIZE** to aggregate data in the attached dataset in Power BI, you can follow these steps:

1. Load the dataset into Power BI's Data model.
2. Create a new measure or calculated column using the **SUMMARIZE** function. For example, to compute the average blood glucose level for each age range, you can use the following DAX expression:

less

EditDownloadCopy code

1Average Blood Glucose by Age Range =

2SUMMARIZE(

3 'TableName',

4 'TableName'[Age\_range],

5 "Average Blood Glucose", AVERAGE('TableName'[Σ blood glucose\_level])

6)

This expression groups the data by Age\_range and computes the average of Σ blood glucose\_level for each group.

1. Add the new measure or calculated column to a visual in Power BI to display the aggregated data.

You can use various aggregate functions such as **SUM**, **MIN**, **MAX**, **COUNT**, **DISTINCTCOUNT**, etc. in the **SUMMARIZE** function to aggregate data based on your requirements. You can also group by multiple columns to get more granular aggregation.

Is t